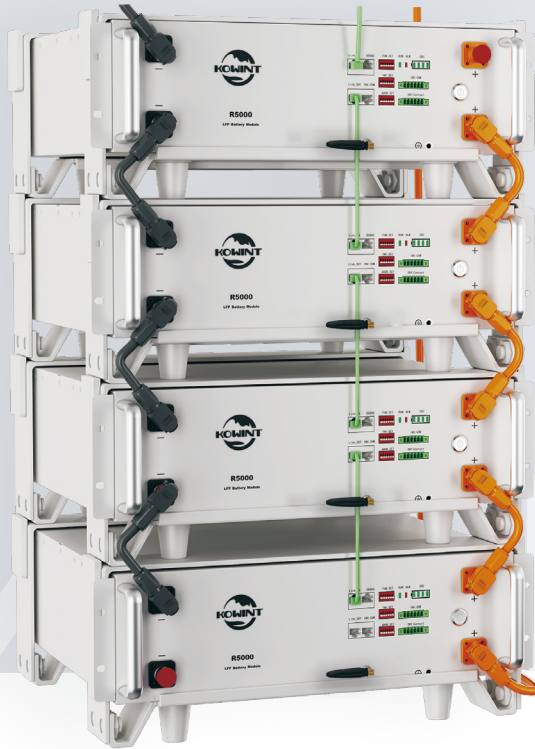


# Rack-Mount ESS R5000

5.12 — 158.72kWh



## ☀️ HIGH PERFORMANCE

- >6000 Life Cycles.
- Max. 31 units in parallel.

## ☰ USER FRIENDLY SETUP

- RS485 and CAN compatible.
- Cloud platform / APP remote monitor.

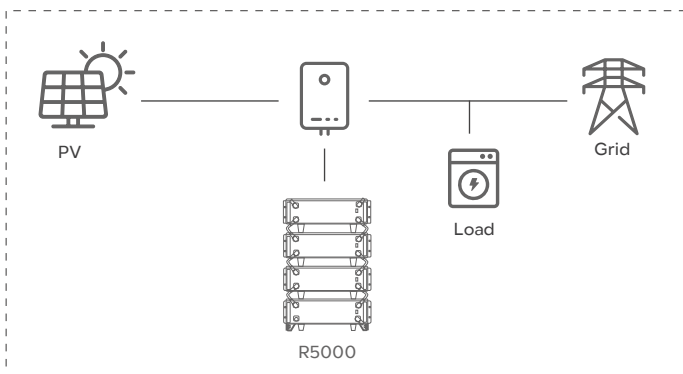
## 💡 SAFE AND RELIABLE

- Intelligent BMS protecting battery cells.
- Advanced safety mechanisms ensure reliable operation.

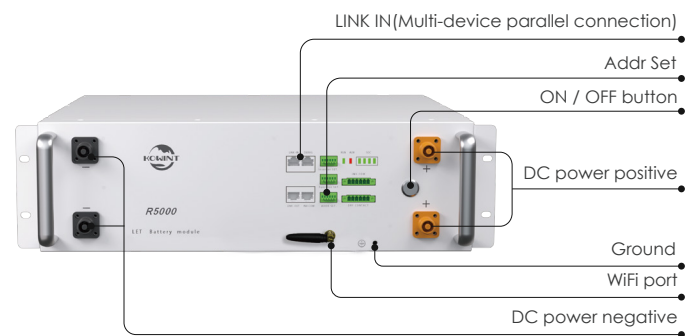
## ⚙️ EASY INSTALLATION

- Rack mount design.
- Lightweight and convenient , single person installation.

## ● System Layout



## ● System Demonstration



## ● Product Specifications

### Battery Parameters

Nominal Energy(kWh)	5.12
Max. Continuous Charging / Discharging(A)	95
Nominal Capacity(Ah)	100
Nominal Voltage(V)	51.2
Recommend Charging Voltage(V)	56.8
Max. Charging Voltage(V)	58.4
Discharge Cut-off Voltage(V)	43.2
Cell Model	3.2V 100Ah
Combination Mode	1P16S
Initial Internal Resistanc (mΩ)	<50
Standard Charging Current(A)	50
Standard Discharging Current(A)	50

### System Characteristics

BESS Certifications	UKCA, UL1973, CE, UN 38.3, IEC62619
Emission	FCC Part 15 Class B
Surge Protection	DC Type II
Warranty(Years)	10

### General Parameters

Dimensio (W*H*D)(mm)	440*132*420(Standard 3U Size)
Net Weigh (Approximate)(kg)	45
Enclosure	IP20
Operating Temperature(°C)	Discharging -20 ~ 50, Charging 0 ~ 50
Relative Humidity Range(RH)	Up to 95 %, non-condensing
Cooling	Natural Cooling
Communication	CAN, RS485, WiFi